

FIG. 1

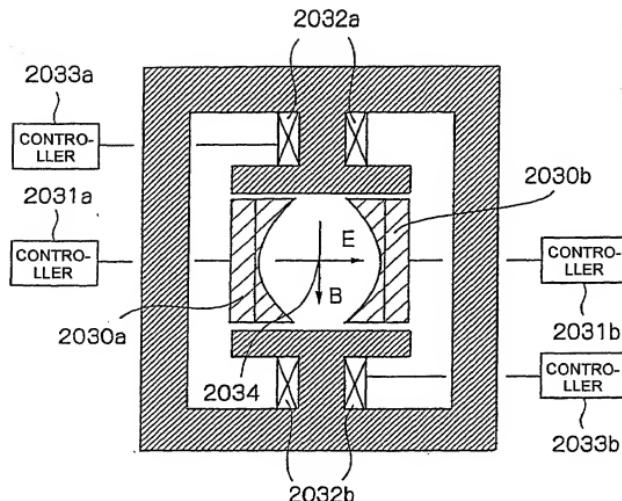


FIG. 2 (a)

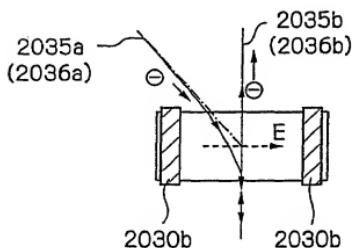


FIG. 2 (b)

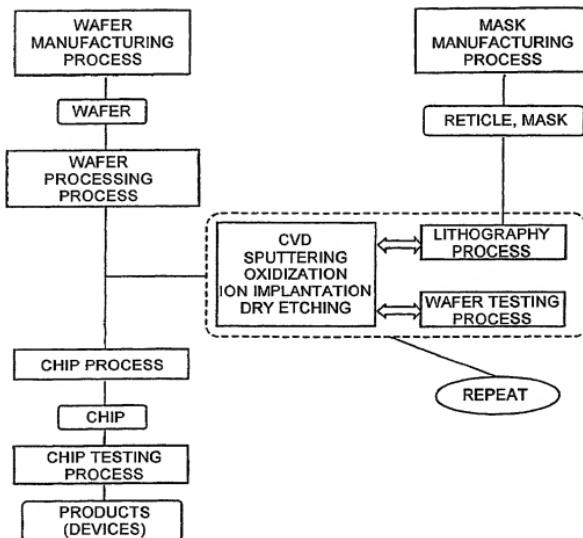


FIG. 3

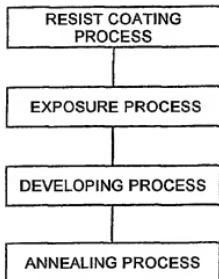


FIG. 4(a)

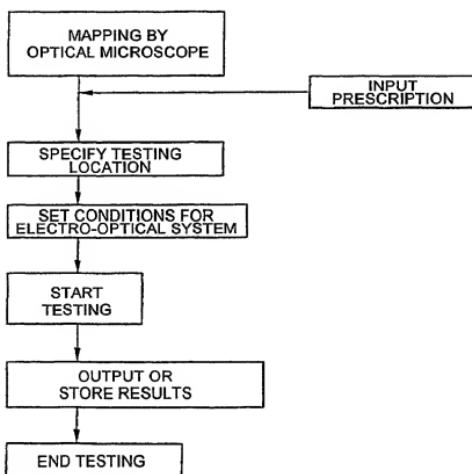


FIG. 4(b)

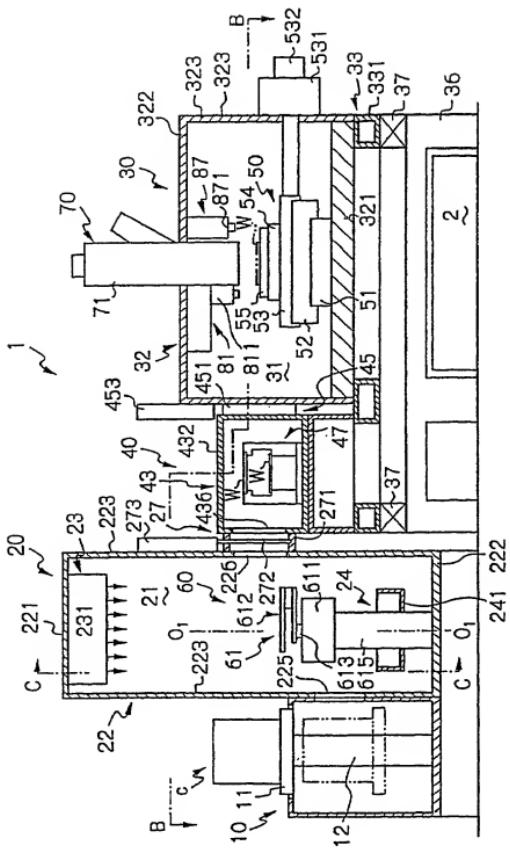


FIG. 5

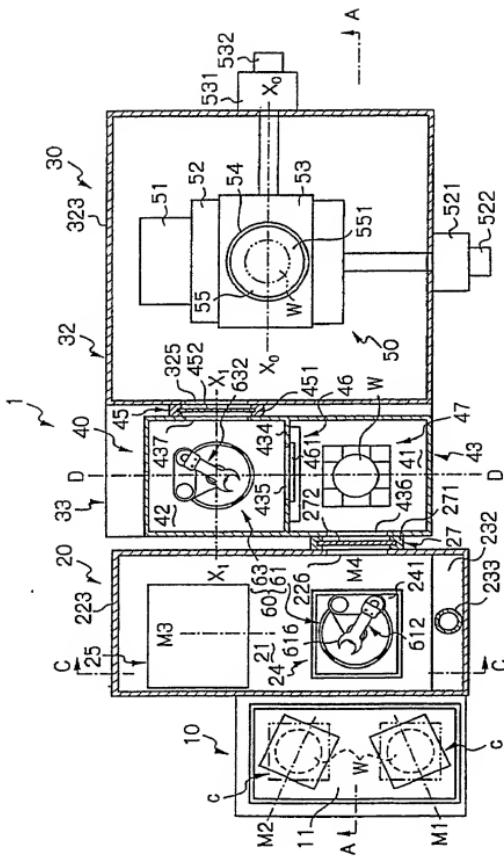


FIG. 6(a)

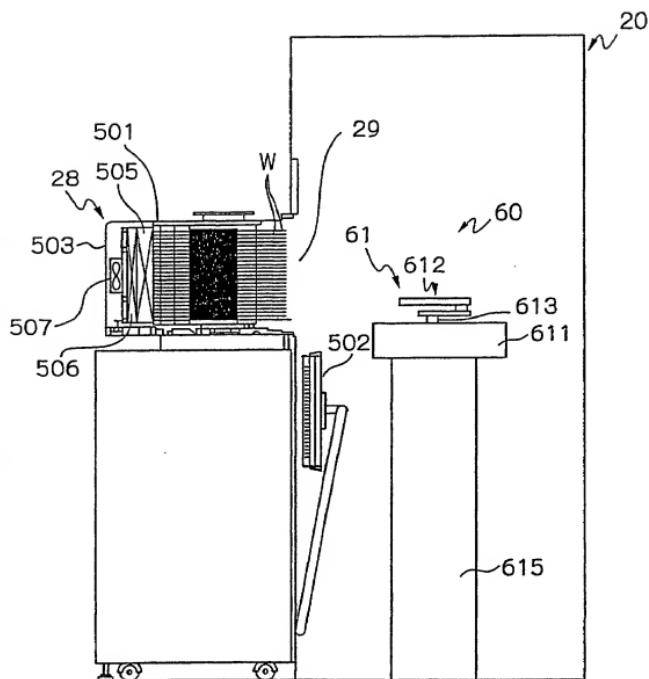


FIG. 6(b)

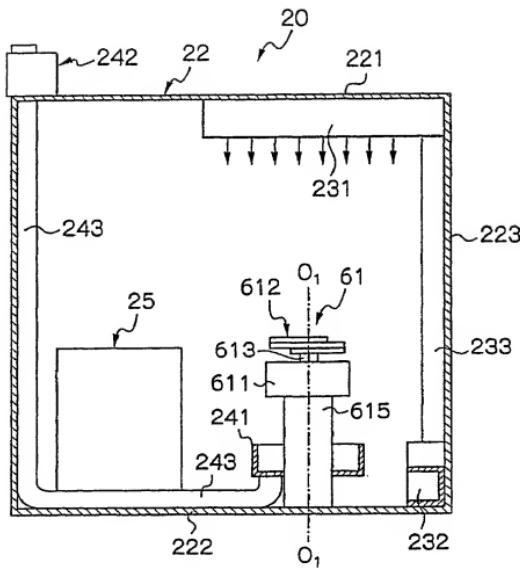
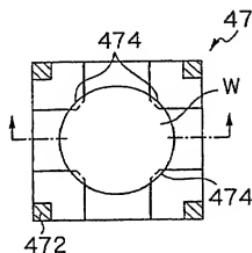
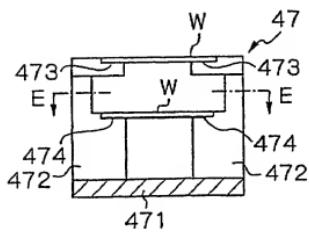
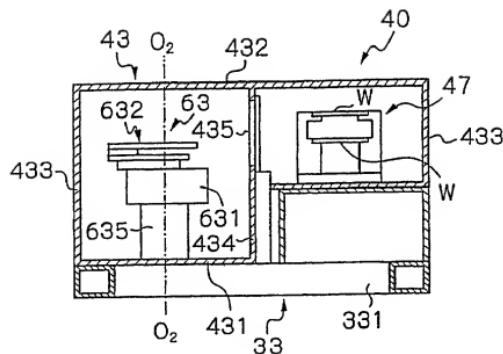


FIG. 7



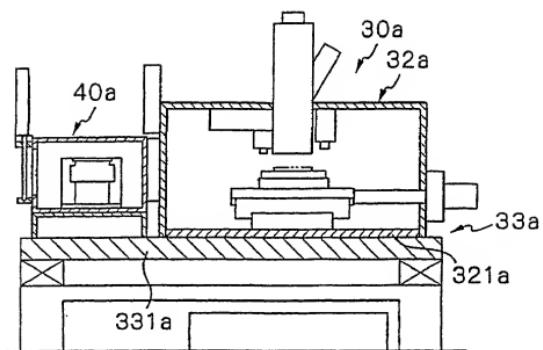


FIG. 10 [A]

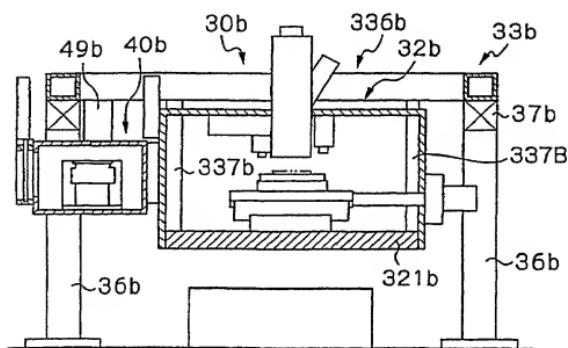


FIG. 10 [B]

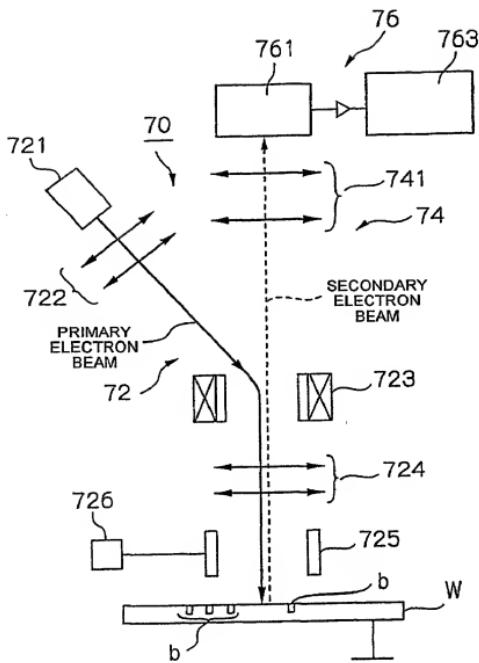


FIG. 11

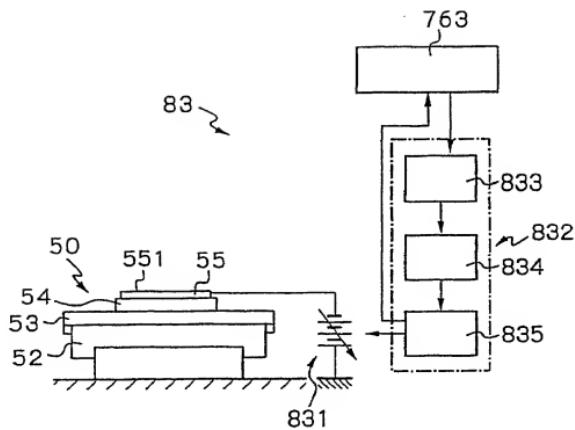


FIG. 12

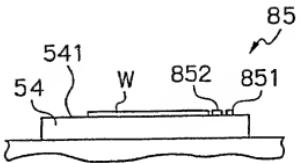


FIG. 13 [A]

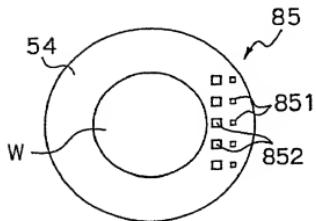


FIG. 13 [B]

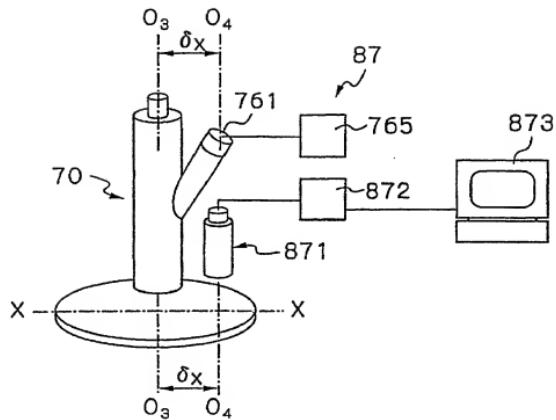


FIG. 14

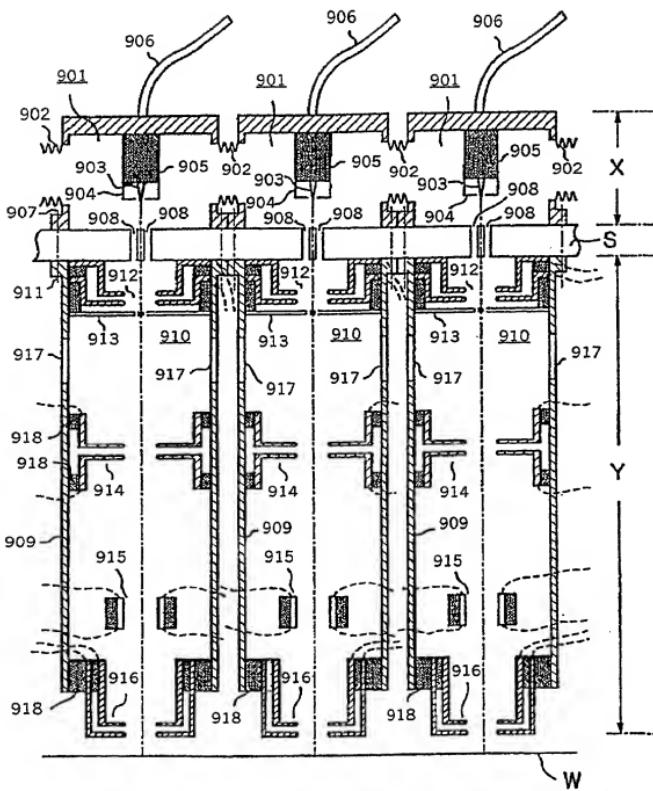


FIG. 15

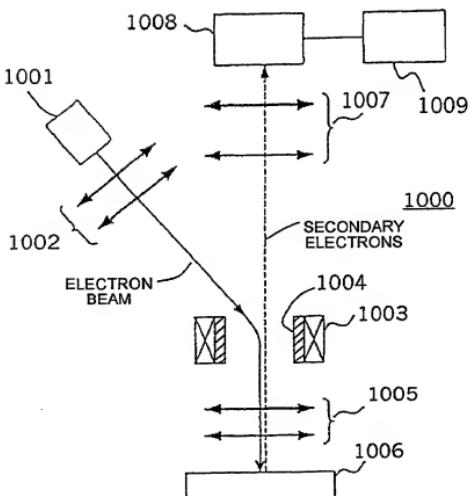


FIG. 16

### BREAKDOWN OCCURRENCE PROBABILITY FOR EACH METAL

| METAL    | WORK FUNCTION [eV] | BREAKDOWN OCCURRENCE PROBABILITY |
|----------|--------------------|----------------------------------|
| ALUMINUM | 4.2                | HIGH                             |
| GOLD     | 4.9                | MIDDLE                           |
| PLATINUM | 5.3                | LOW                              |

FIG. 17

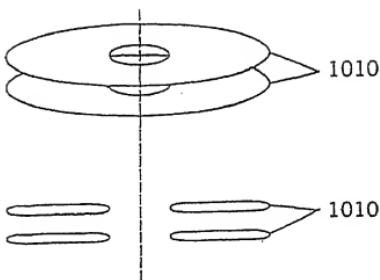


FIG. 18

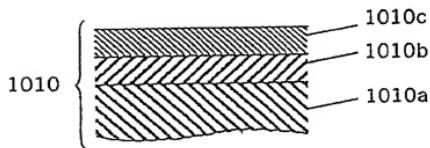


FIG. 19

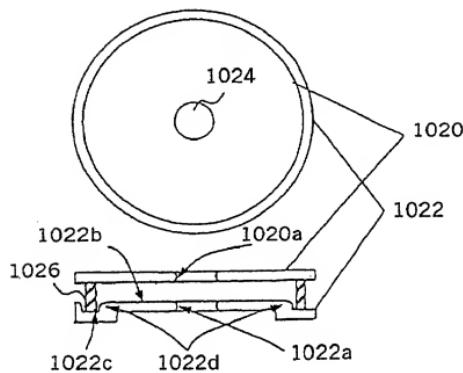


FIG. 20

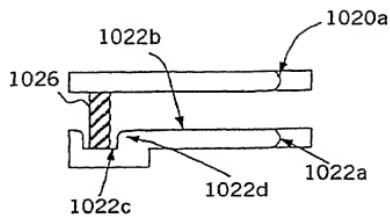


FIG. 21

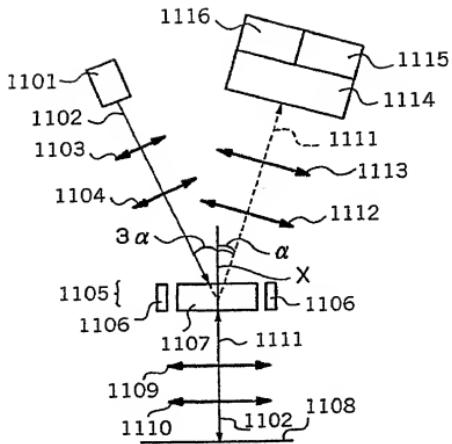


FIG. 22

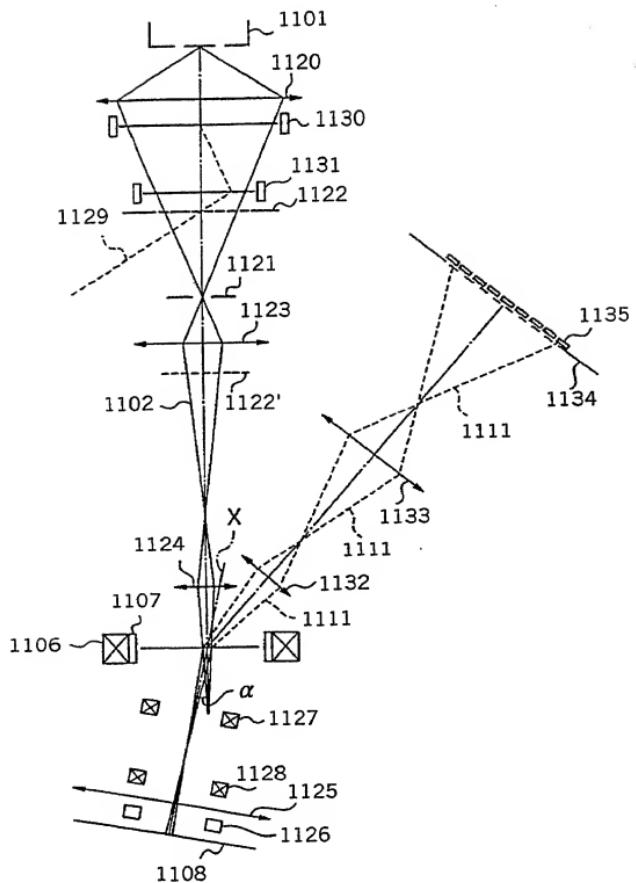


FIG. 23

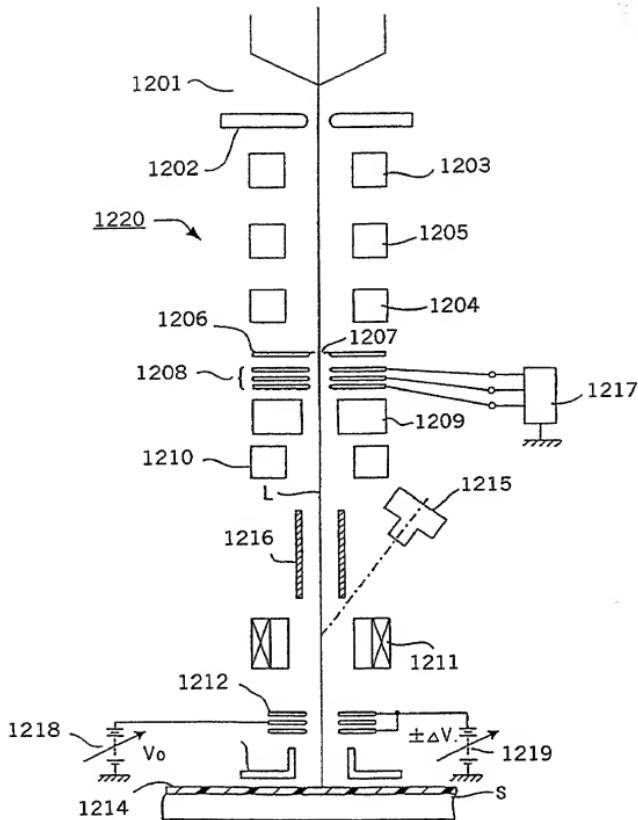


FIG. 24

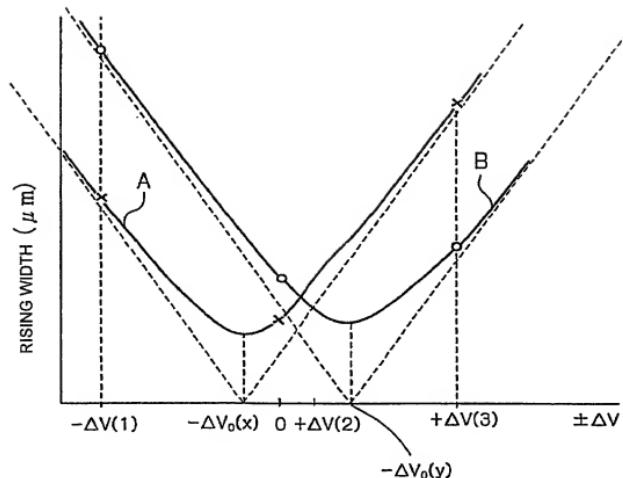


FIG. 25 (a)

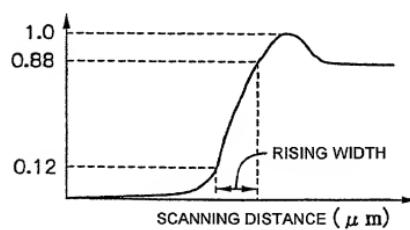


FIG. 25 (b)

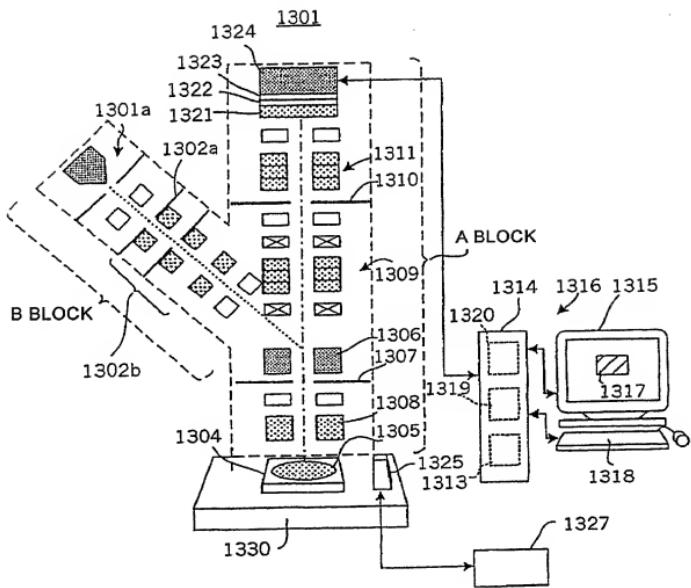


FIG. 26

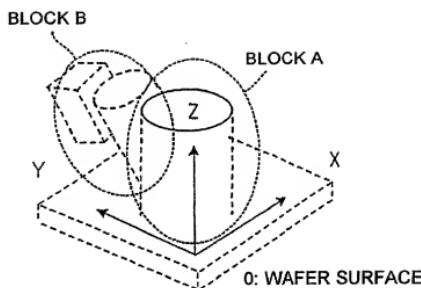


FIG. 27 (a)

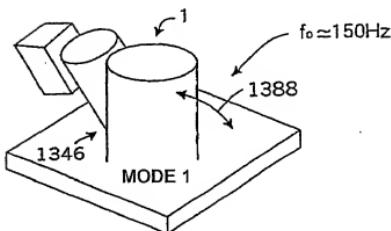


FIG. 27 (b)

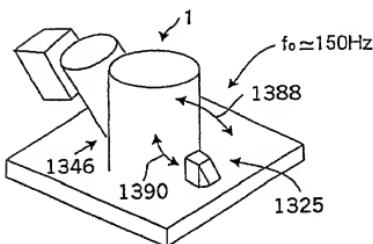


FIG. 27 (c)

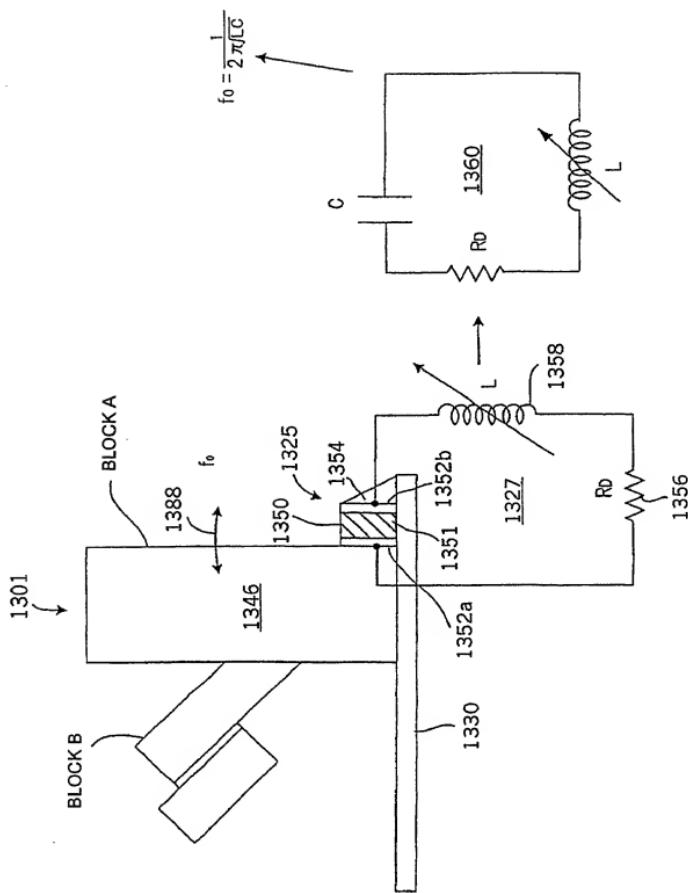


FIG. 28

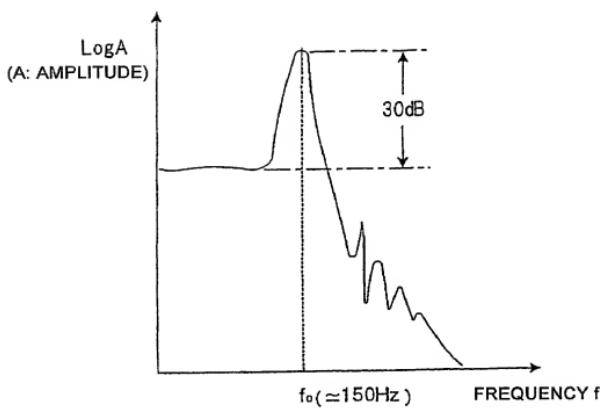


FIG. 29

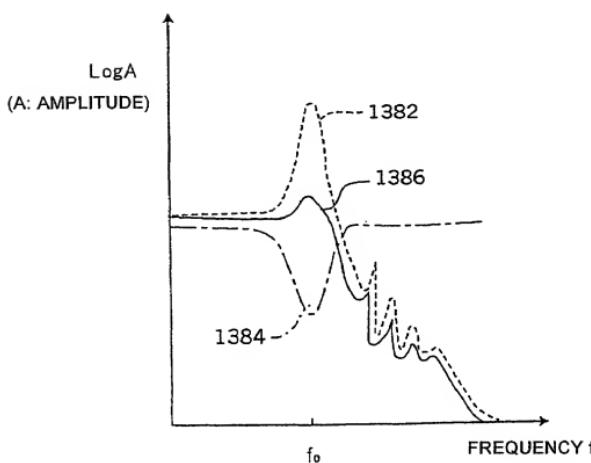


FIG. 30

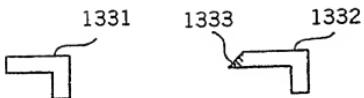


FIG. 31 (a)

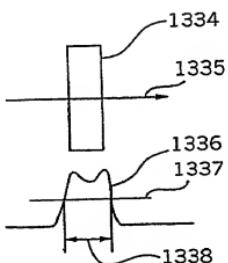


FIG. 31 (b)

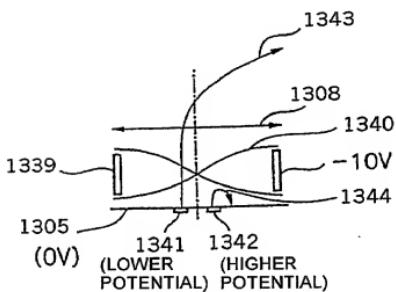


FIG. 31 (c)

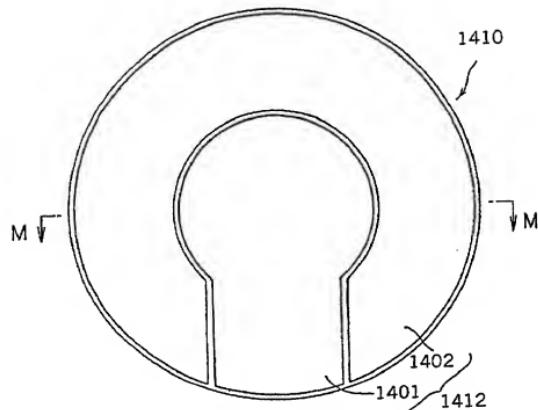


FIG. 32

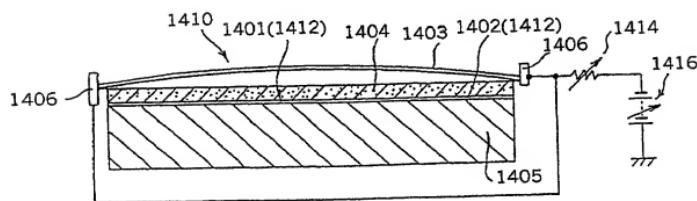


FIG. 33

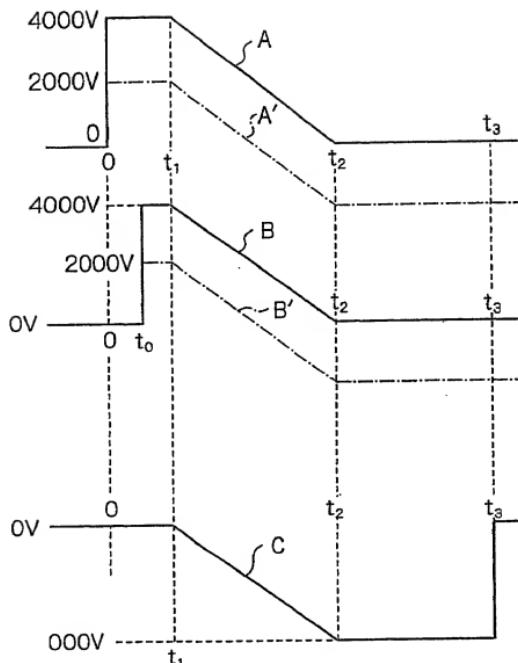


FIG. 34 (a)

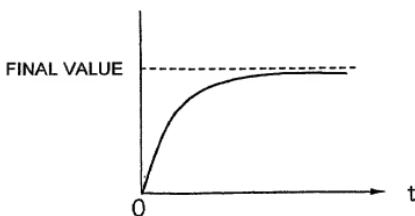


FIG. 34 (b)

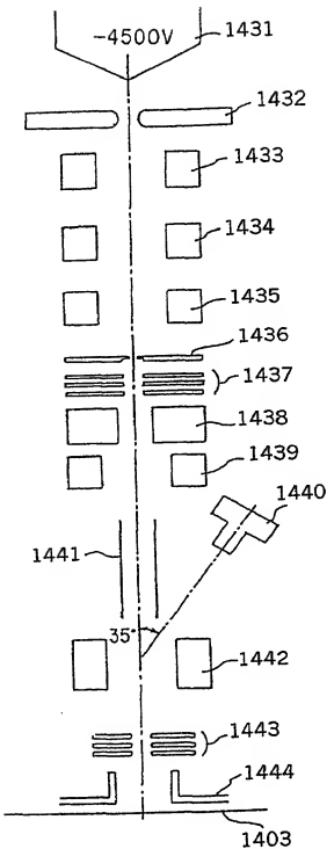


FIG. 35

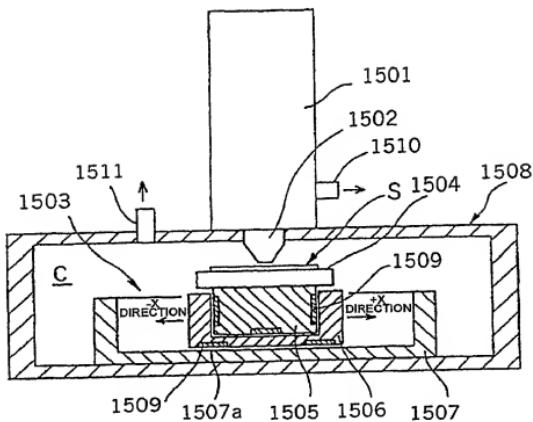


FIG. 36 [A]

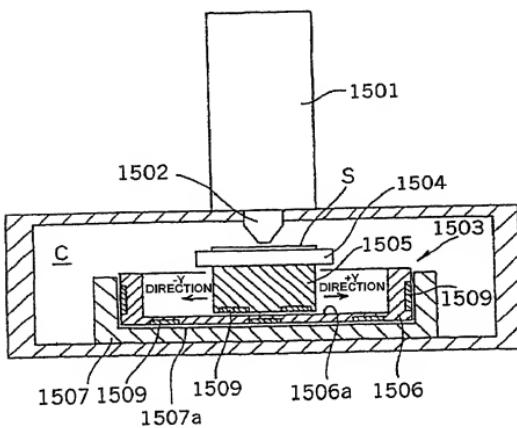


FIG. 36 [B]

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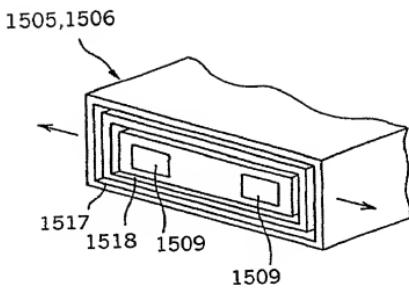
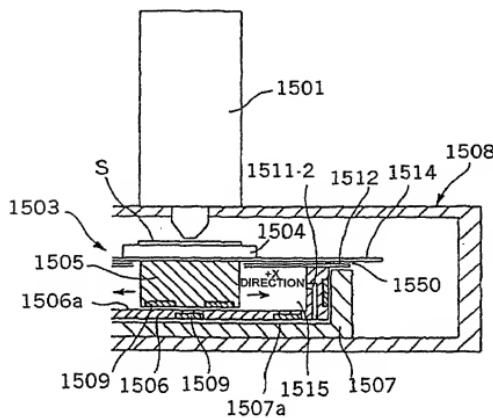
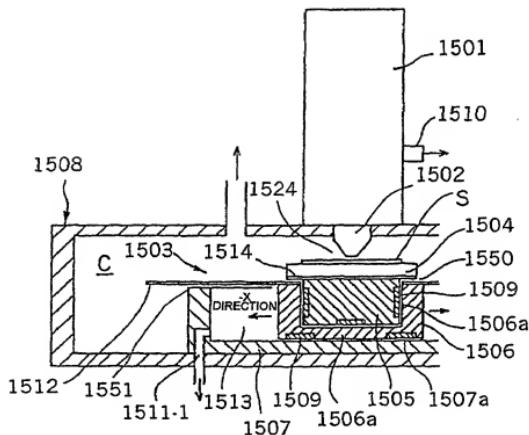


FIG. 37



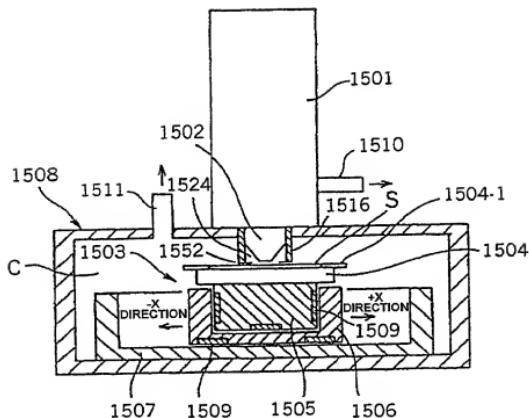


FIG. 39

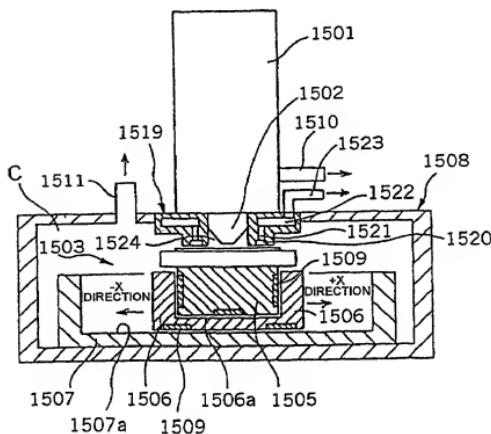
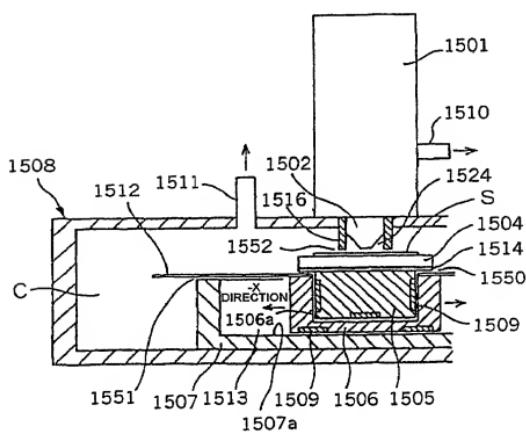
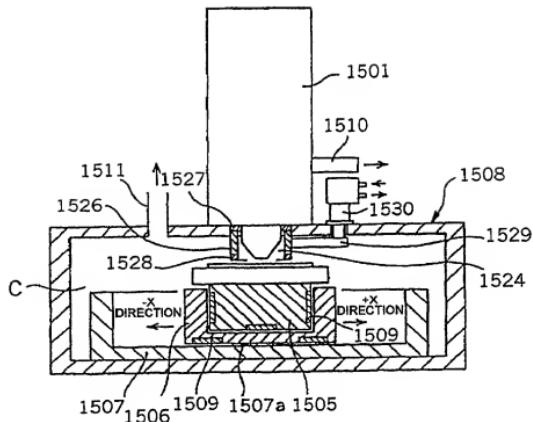


FIG. 40



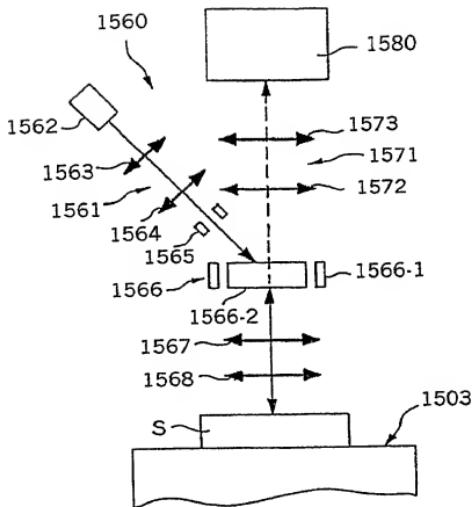


FIG. 43

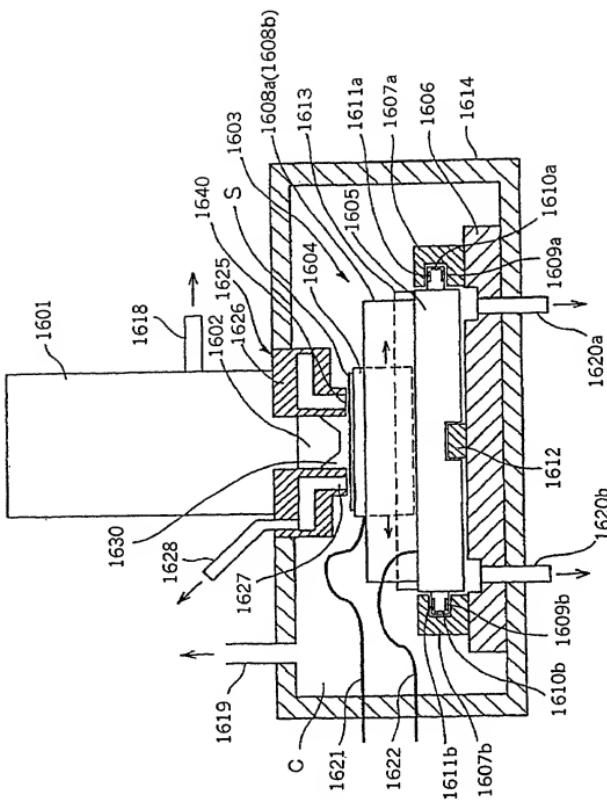


FIG. 44

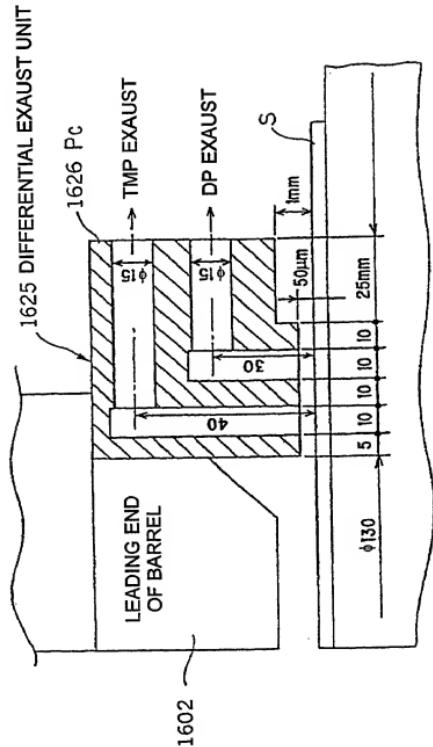


FIG. 45

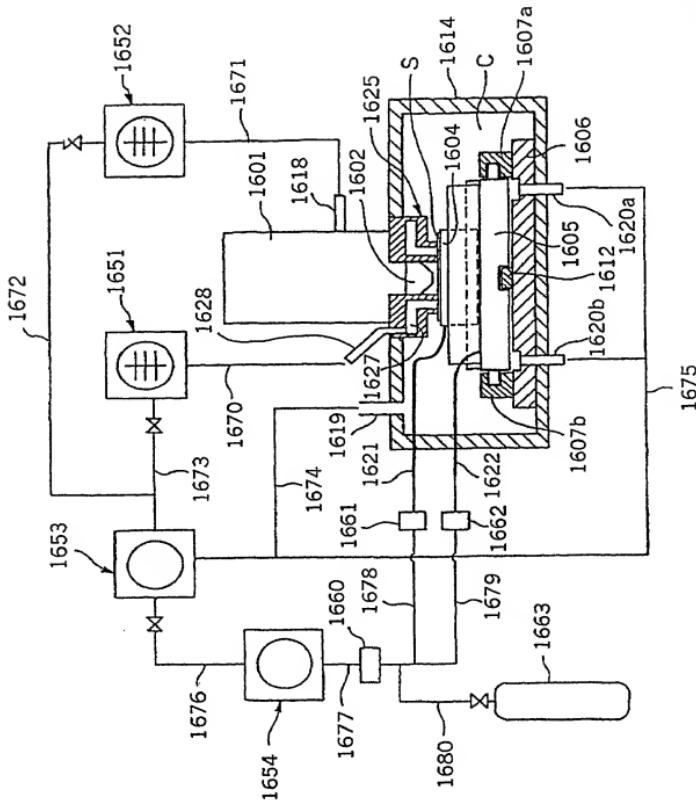


FIG. 46

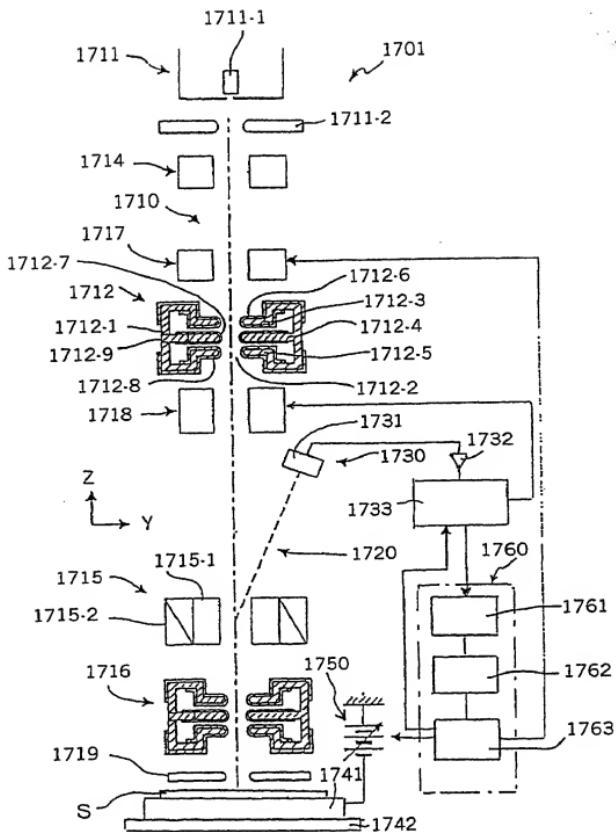


FIG. 47

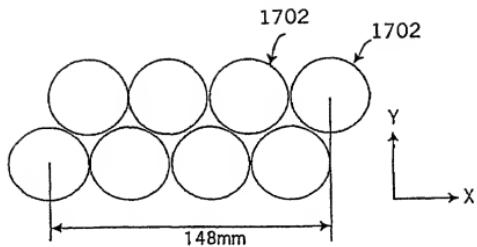


FIG. 48

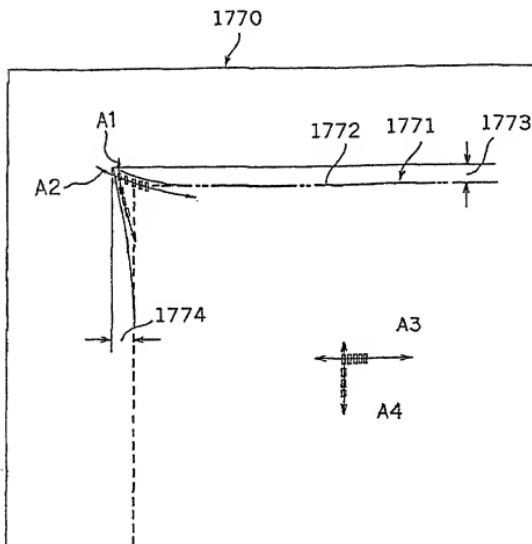


FIG. 49 [A]

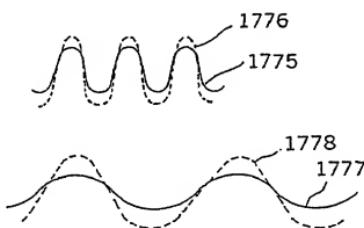


FIG. 49 [B]

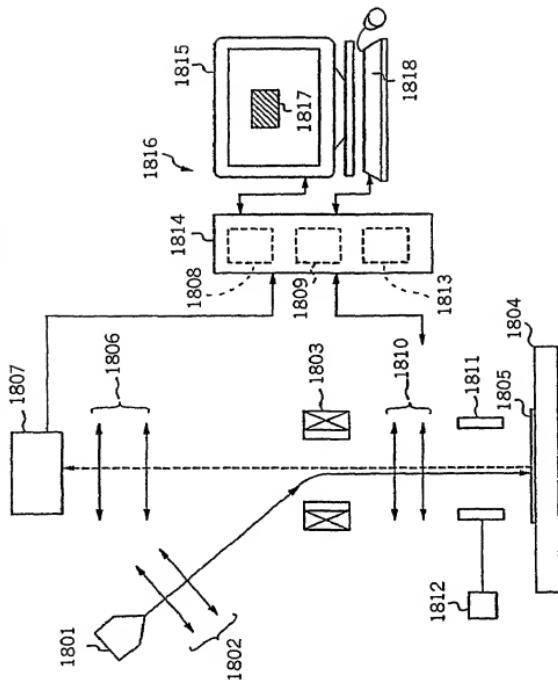


FIG. 50

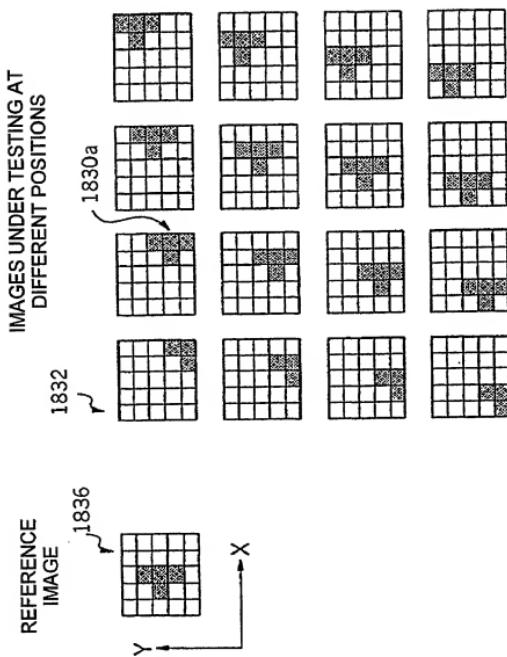


FIG. 51

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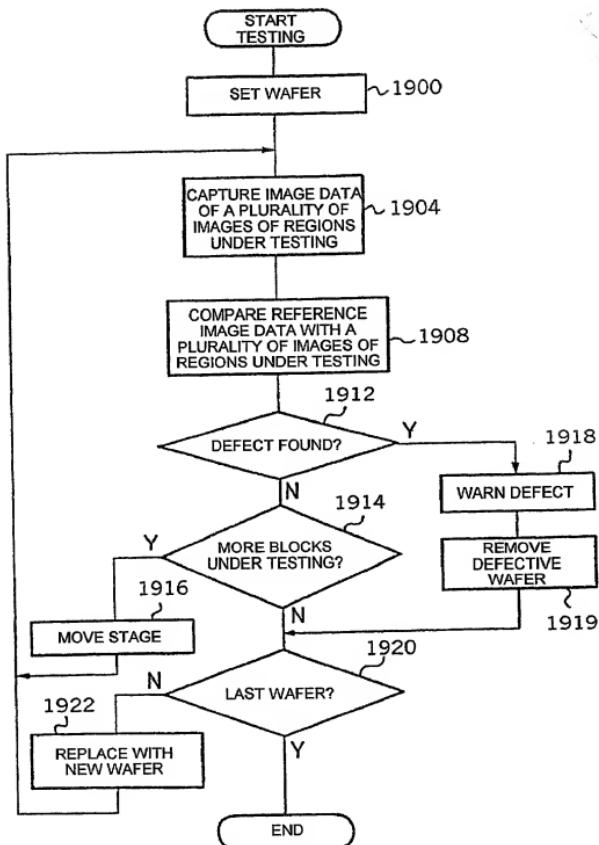


FIG. 52

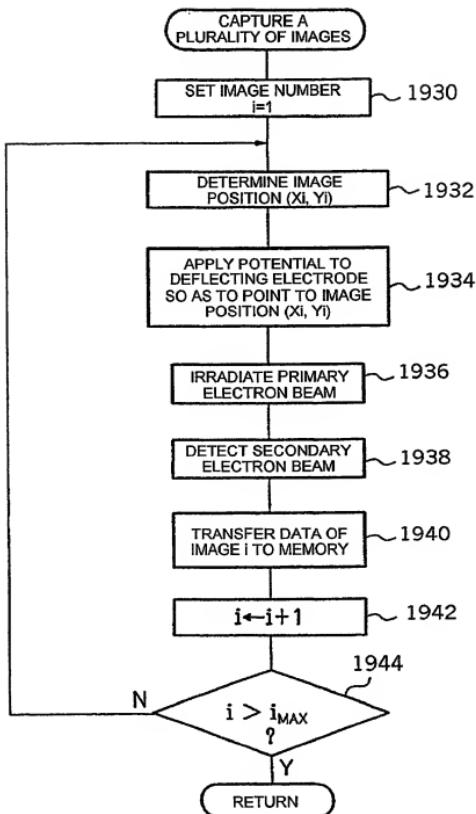


FIG. 53

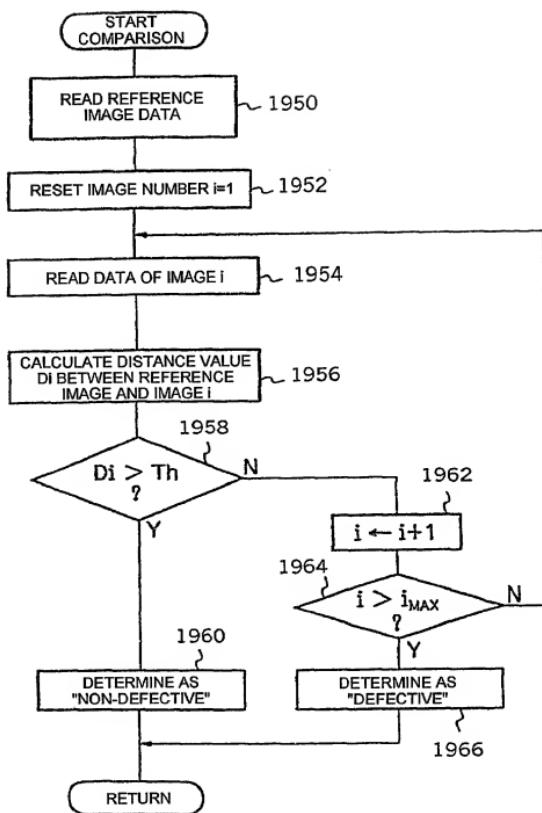


FIG. 54

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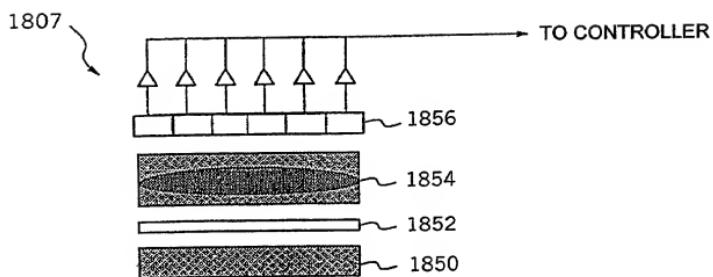


FIG. 55

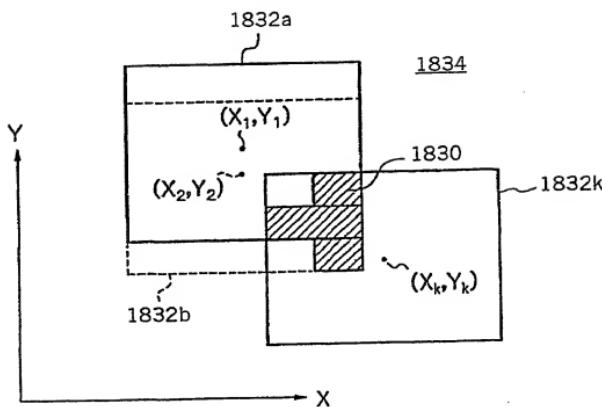


FIG. 56